

Kinder Morgan/Tennessee Gas Pipeline Proposal

An Overview and Assessment of
Impacts on DCR Lands

Northeast Energy Direct Project

- Proposal to “expand and modify” the existing gas pipeline system in PA, NY, CT, RI, MA and NH
- In response to “the growing energy needs in the Northeast”
- An energy demand study commissioned by the Governor is scheduled to be released in December 2014

Process Milestones

Date	Milestone
Sept. 2014	TGPL filed request to use pre-filing procedures
Sept. 2014	Secretary of EEA filed response letter
Oct. 2014	FERC approved pre-filing procedures
Oct. 2014	DCR filed notice of participation letter
Nov. 2014	TGPL filed resource reports 1 and 10
Dec. 2014	TGPL expected to file revised resource reports
Dec. 2014	Secretary of EEA expected to respond in writing
2015	TGPL expected to hold open houses
2015	FERC expected to hold scoping meetings
Sept. 2015	TGPL expected to file with FERC and MEPA
Nov. 2016	FERC expected to approve project
Jan. 2017	Proposed start of construction

TGPL = Tennessee Gas Pipeline Company, L.L.C.

EEA = Energy and Environmental Affairs

FERC = Federal Energy Regulatory Commission

MEPA = Massachusetts Environmental Policy Act



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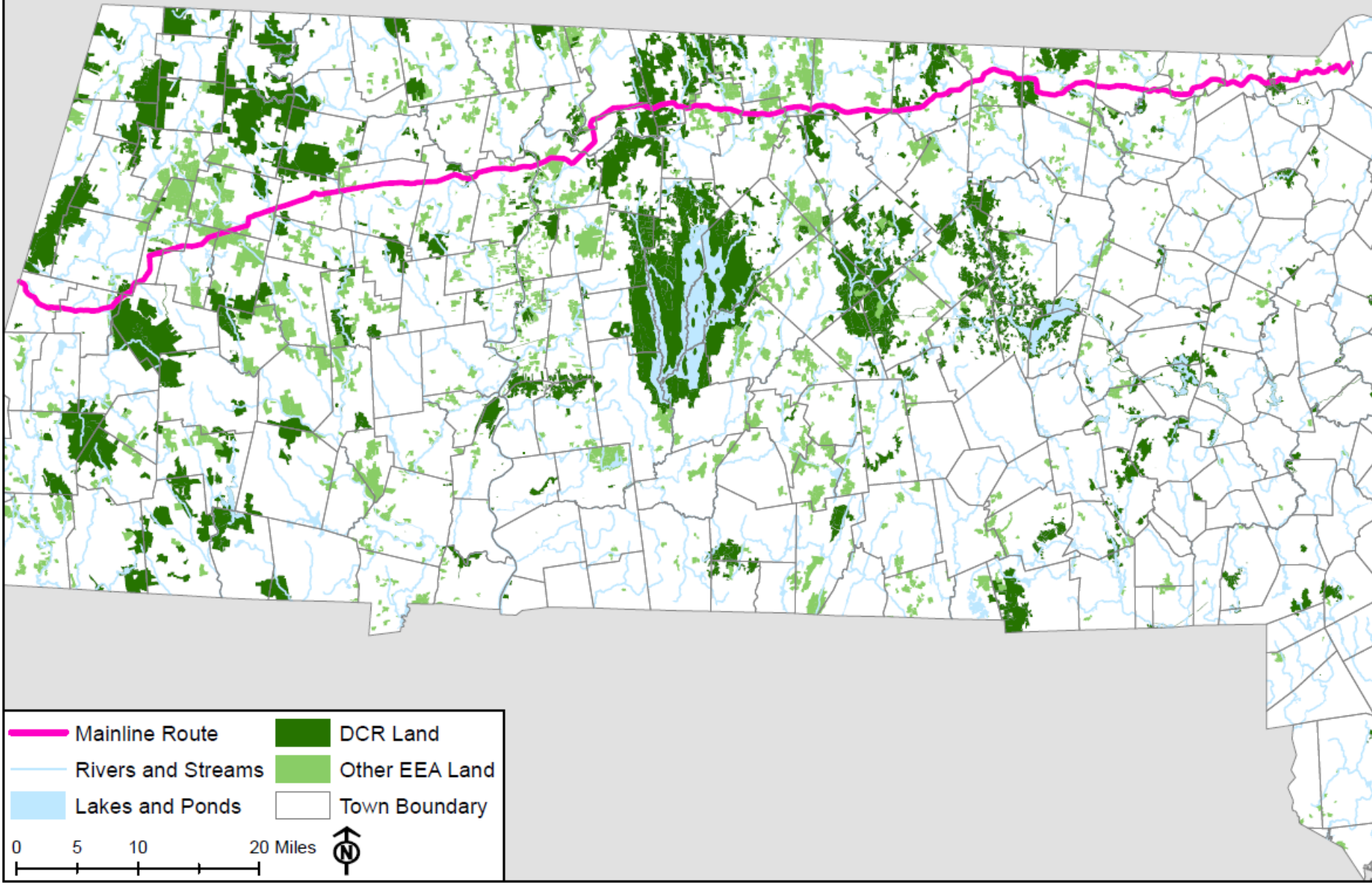
Key Term: Co-location

- Proposed pipeline would be located adjacent to an existing utility corridor
- Requires a cleared 100' corridor for construction and a 50' permanent easement, which would remain cleared
- Formal agreements with utility companies have not been reached
- Reduces fragmentation, but still clears land and triggers Article 97

Proposed Route

- Mainline
 - 127 miles of pipeline in MA
 - From Richmond to Dracut
 - Partially co-located
 - Currently the preferred route

Mainline



DCR Impacts

Mainline, 200' Corridor

- 12 properties (Fee and CR)
 - Appalachian Trail, Ashburnham SF, Erving SF, Lawton SF, LDT SF, Nashua River Rail Trail, Northfield SF, October Mountain SF, Otter River SF, Squannacook Brook SF, Warwick SF and Willard Brook SF
- Parkland, woodland and reserve designations
- Co-located on 4 properties
- 252 acres, total



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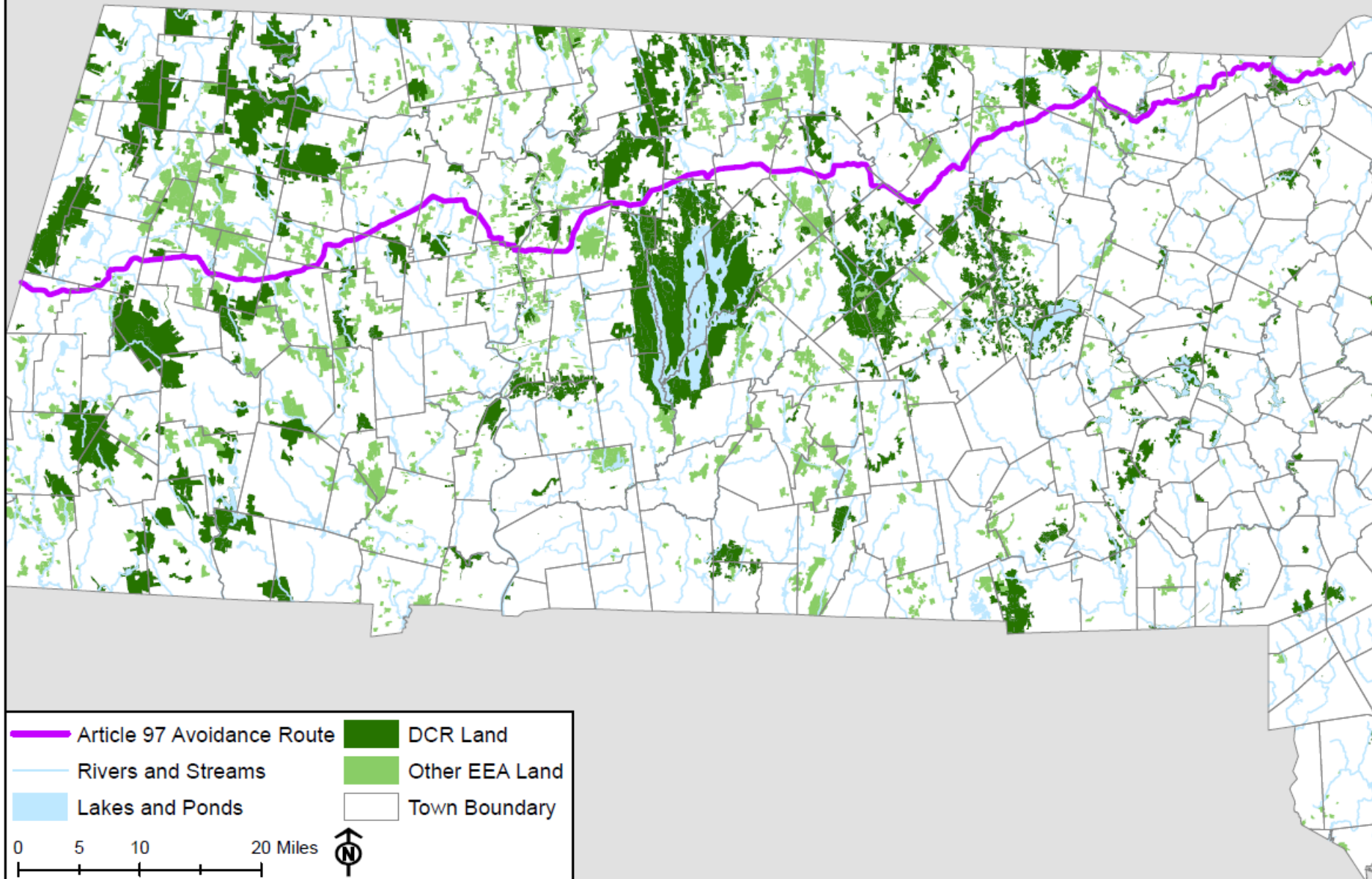
Proposed Route Alternatives

- Existing 200 Line (Not selected)
- Route 2 (Not selected)
- Mass Turnpike (Not selected)
- MA Powerline (Not selected)

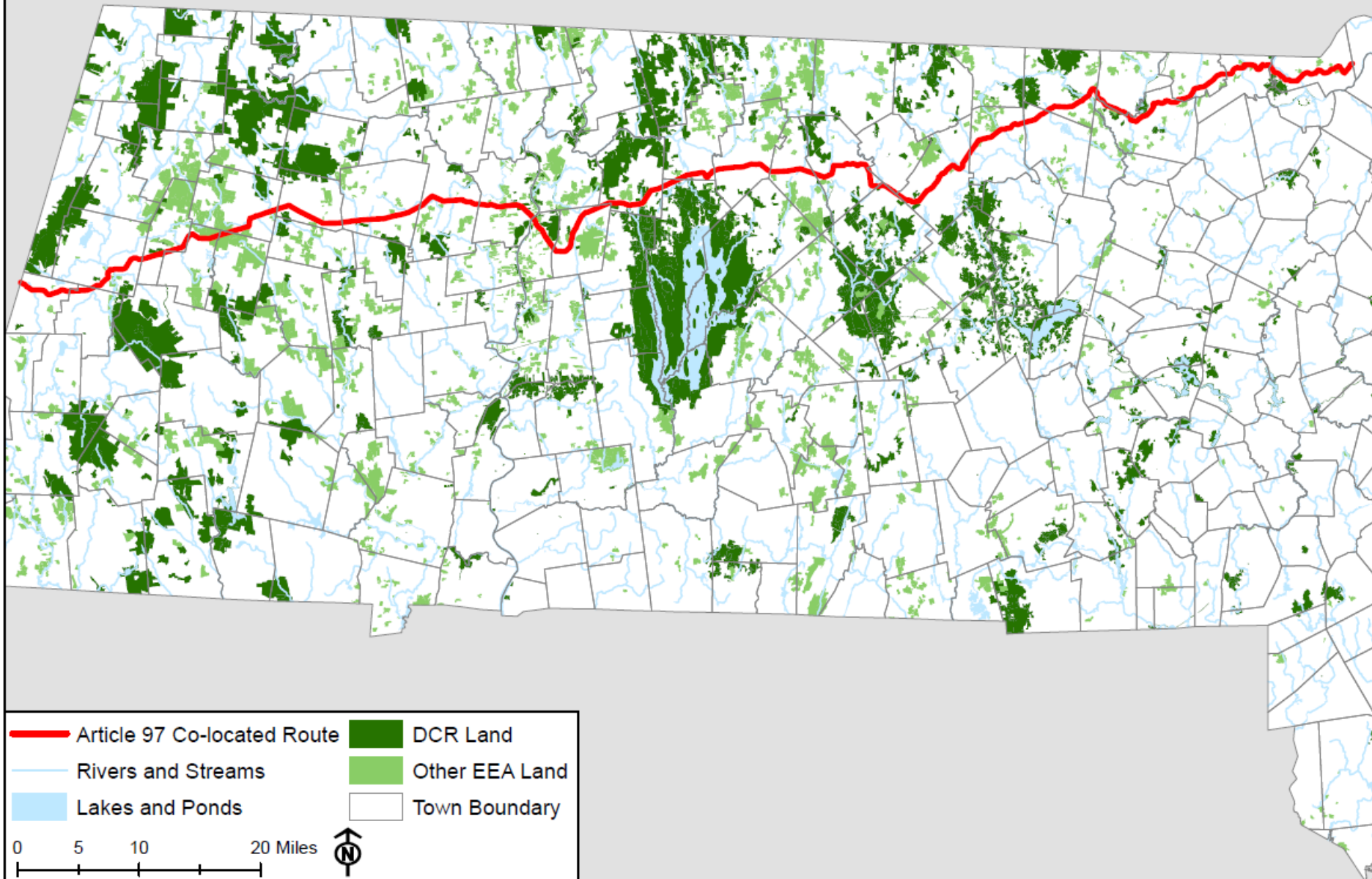
Proposed Route Alternatives

- Article 97 Avoidance (Under review)
 - 136 miles of pipeline in MA
 - From Richmond to Dracut
 - Article 97 Co-location (Under review)
 - 134 miles of pipeline in MA
 - From Richmond to Dracut
 - Co-located on all DCR land
 - NH Powerline (Under review)
 - 70 miles of pipeline in MA*
 - From Hancock to Warwick
 - Co-located on all DCR land
- * Calculated by DCR GIS

Article 97 Avoidance



Article 97 Co-location



DCR Impacts

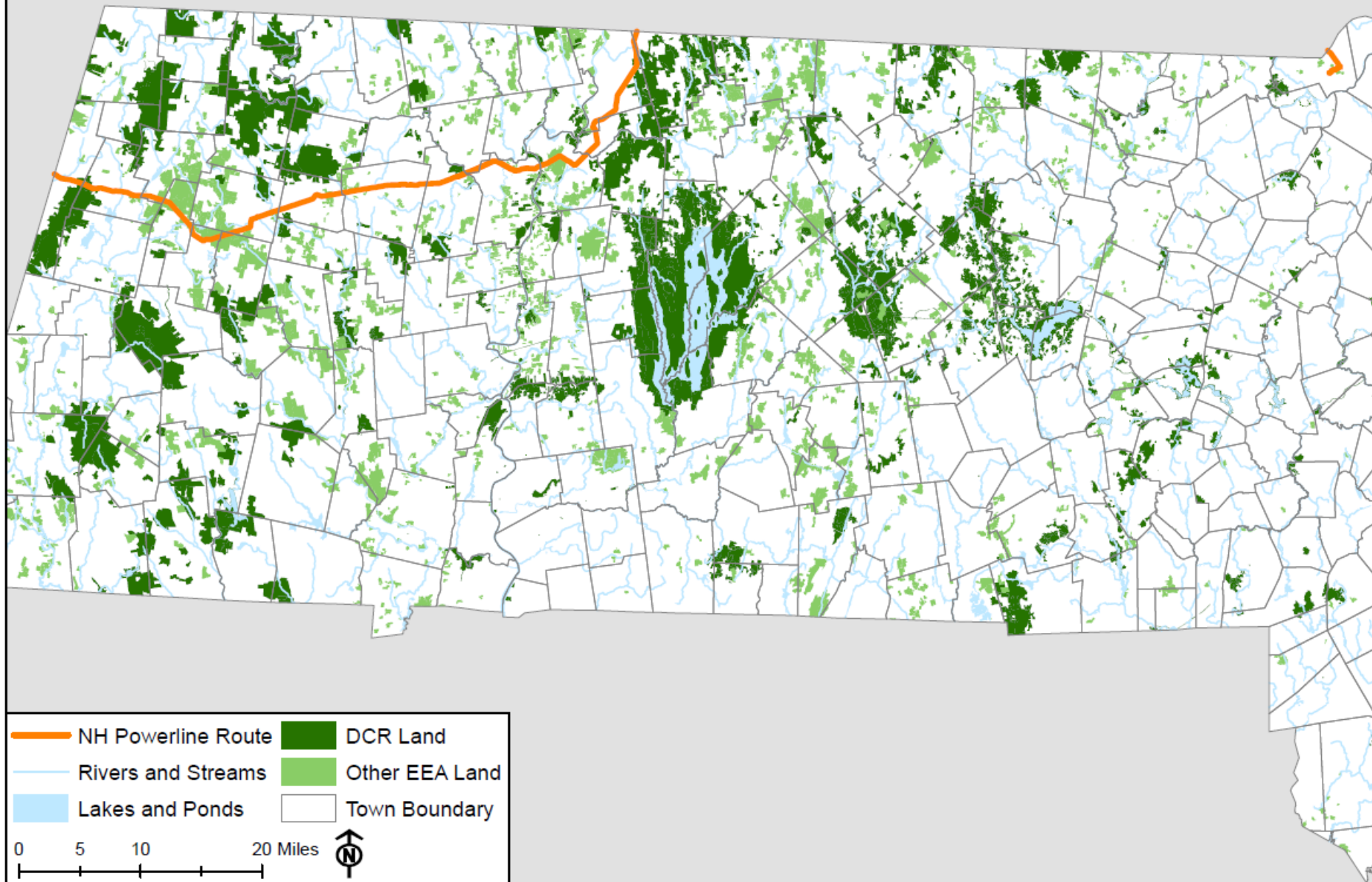
Article 97 Co-location, 200' Corridor

- 2 properties (Fee and CR)
 - CT River Greenway SP and Westminster SF
- Parkland and woodland designations
- Co-located on both properties
- 37 acres, total



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NH Powerline



DCR Impacts

NH Powerline, 200' Corridor

- 3 properties (Fee only)
 - Appalachian Trail, Northfield SF and Pittsfield SF
- Woodland and reserve designations
- Co-located on all properties
- 64 acres, total

Unknowns

- Location of:
 - Laterals
 - Compressor Stations
 - Meter Stations
 - Pipeyards and Contractor Yards
- Construction impacts

Next Steps

- Participate fully in project review
 - Attend open houses and scoping sessions
 - Review and comment on reports and submissions at FERC and MEPA levels
- Continue to assess impacts

Management Plans

- Lowell/Great Brook RMP
 - Lowell-Dracut-Tyngsborough SF
- Northern Berkshire District FRMP
 - Appalachian Trail
 - Pittsfield SF
- Central Berkshire District FRMP
 - Appalachian Trail
 - October Mountain SF